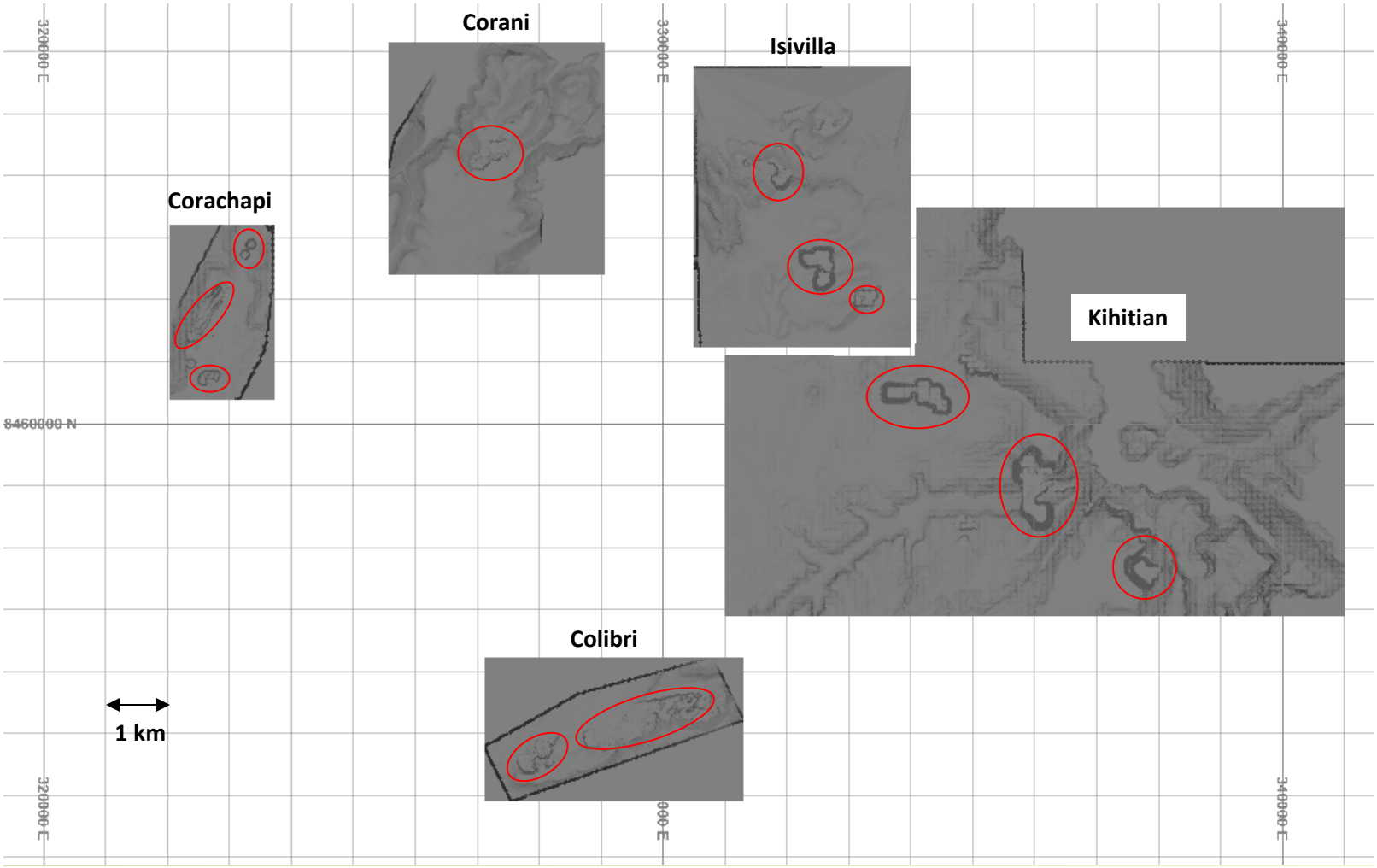
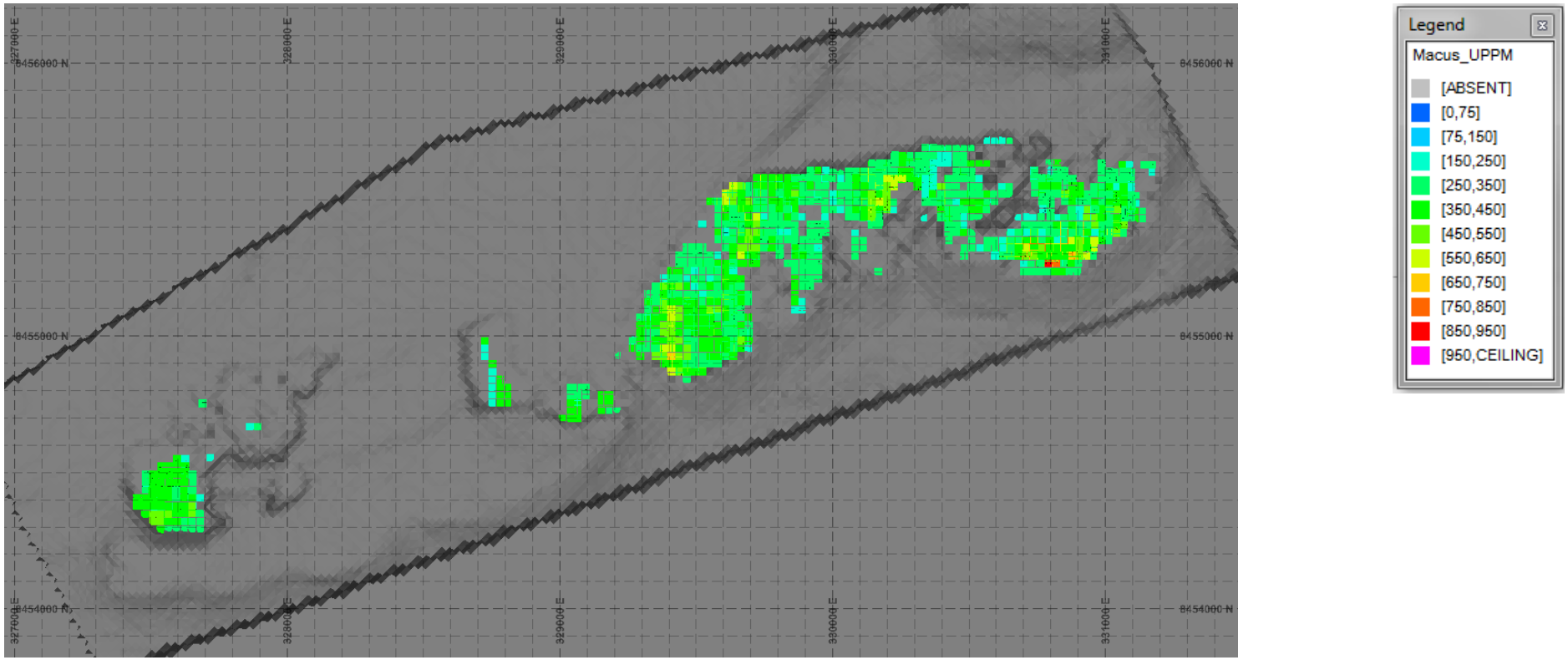
Project Area

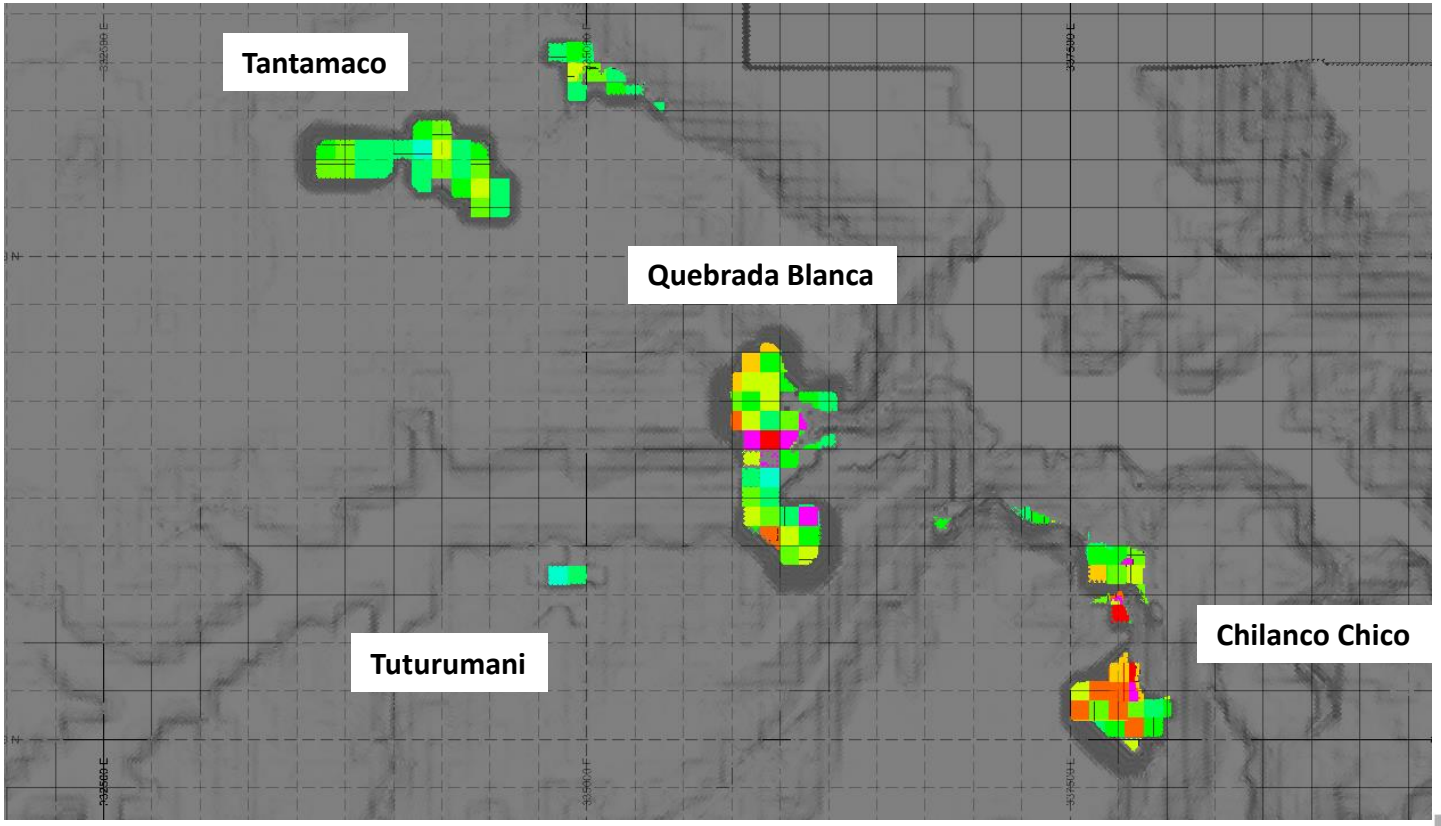


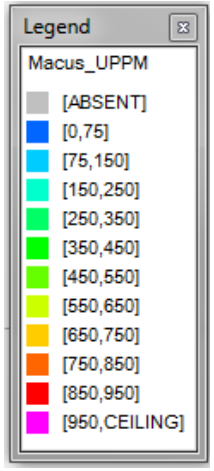
Colibri – Complex 2 (PLAN VIEW Looking Down)



Optimised Pit Shell shown.

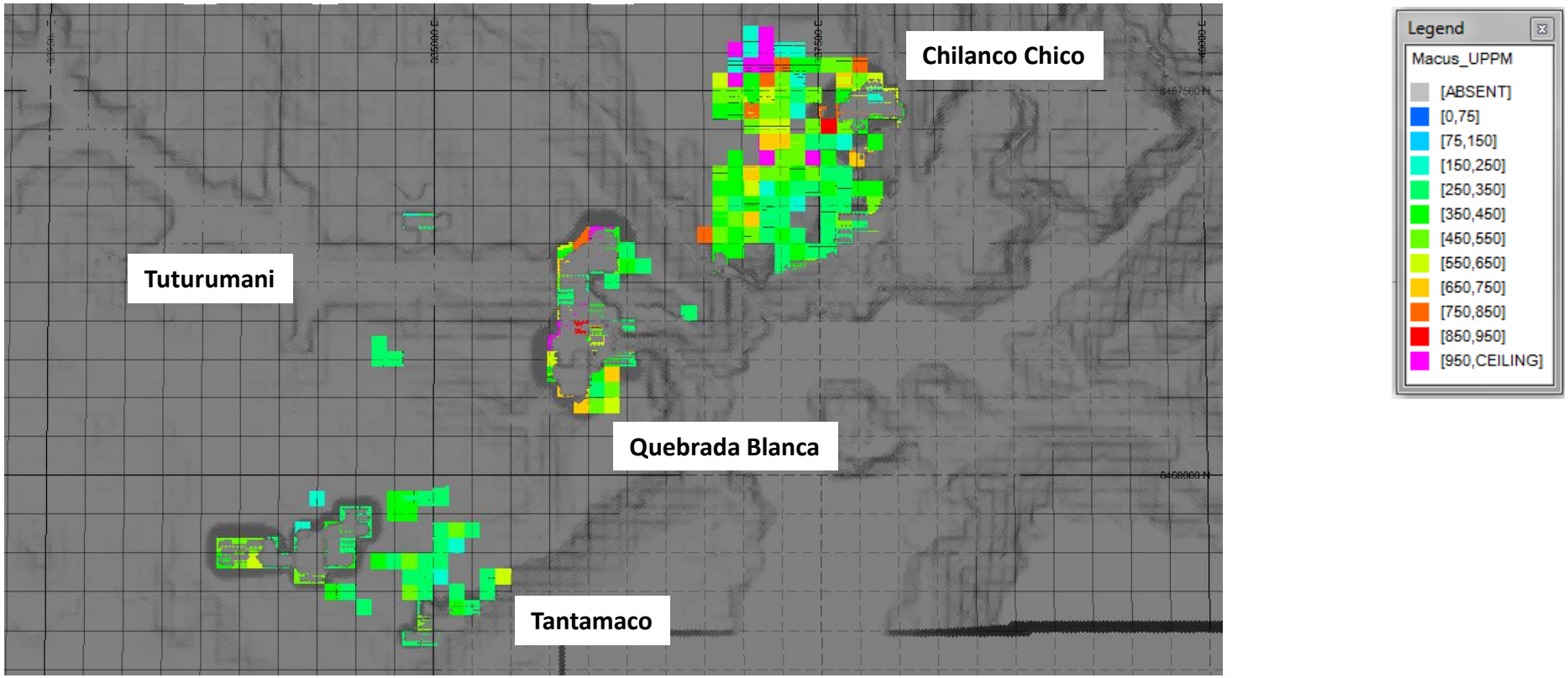
Kihitian – Complex 3 (PLAN VIEW Looking Down)





Optimised Pit Shell shown.

Kihitian – Complex 3 (PLAN VIEW Looking Up)



Proportion of blocks above 200ppm are excluded from the open pits, portions of blocks outside Chilanco Chico, Quebrada Blanca, and Tantamaco. Tuturumani is also mostly excluded.

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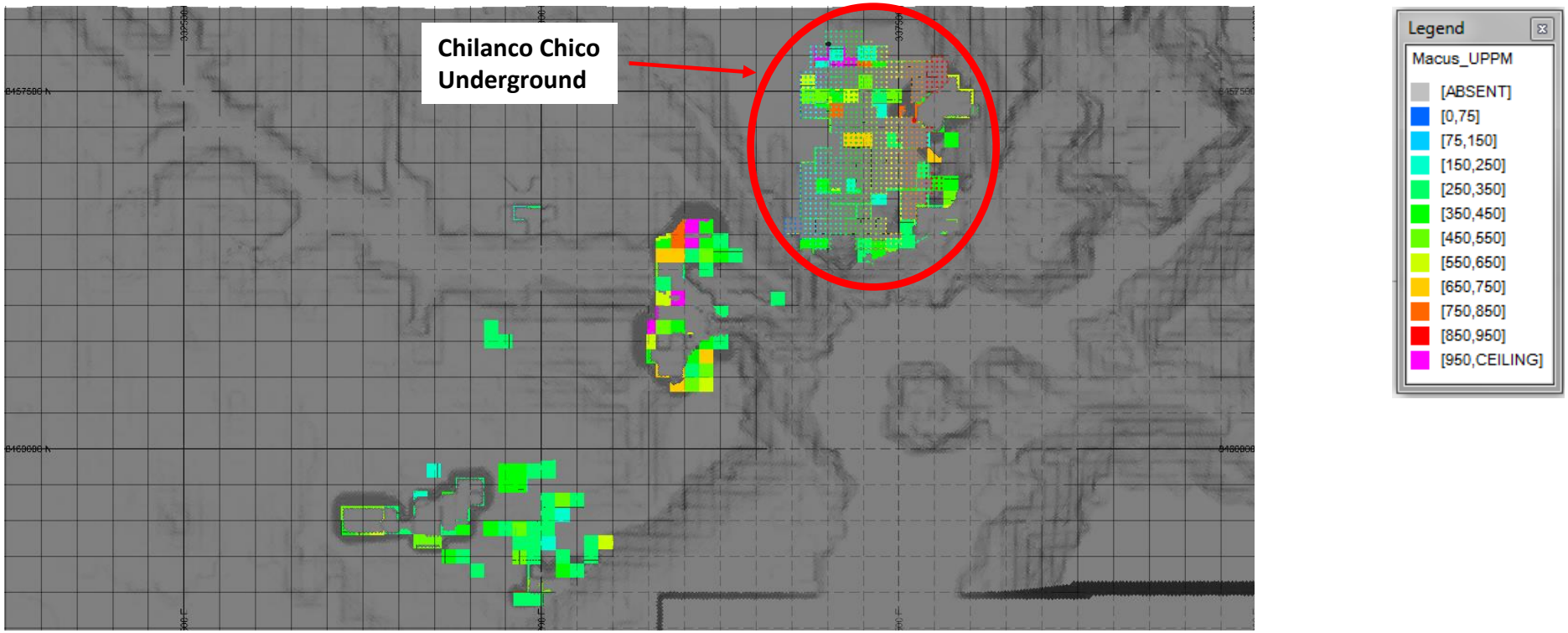
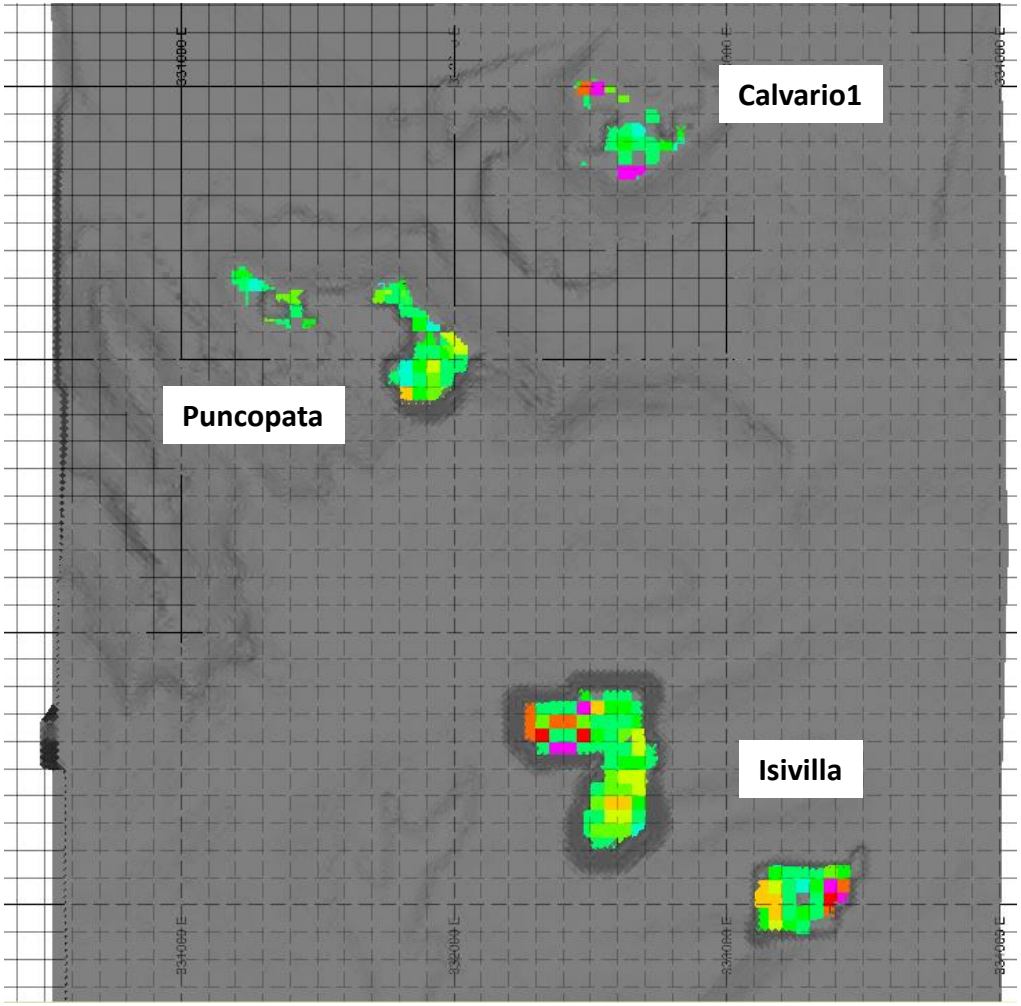
Kihitian – Complex 3 (PLAN VIEW Looking Up) + Underground

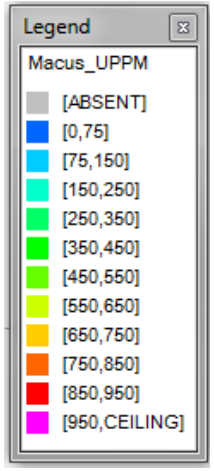


Underground design overlaid on Chilanco Chico above.

Isivilla – Complex 4 (PLAN VIEW Looking Down)



Optimised Pit Shell shown.



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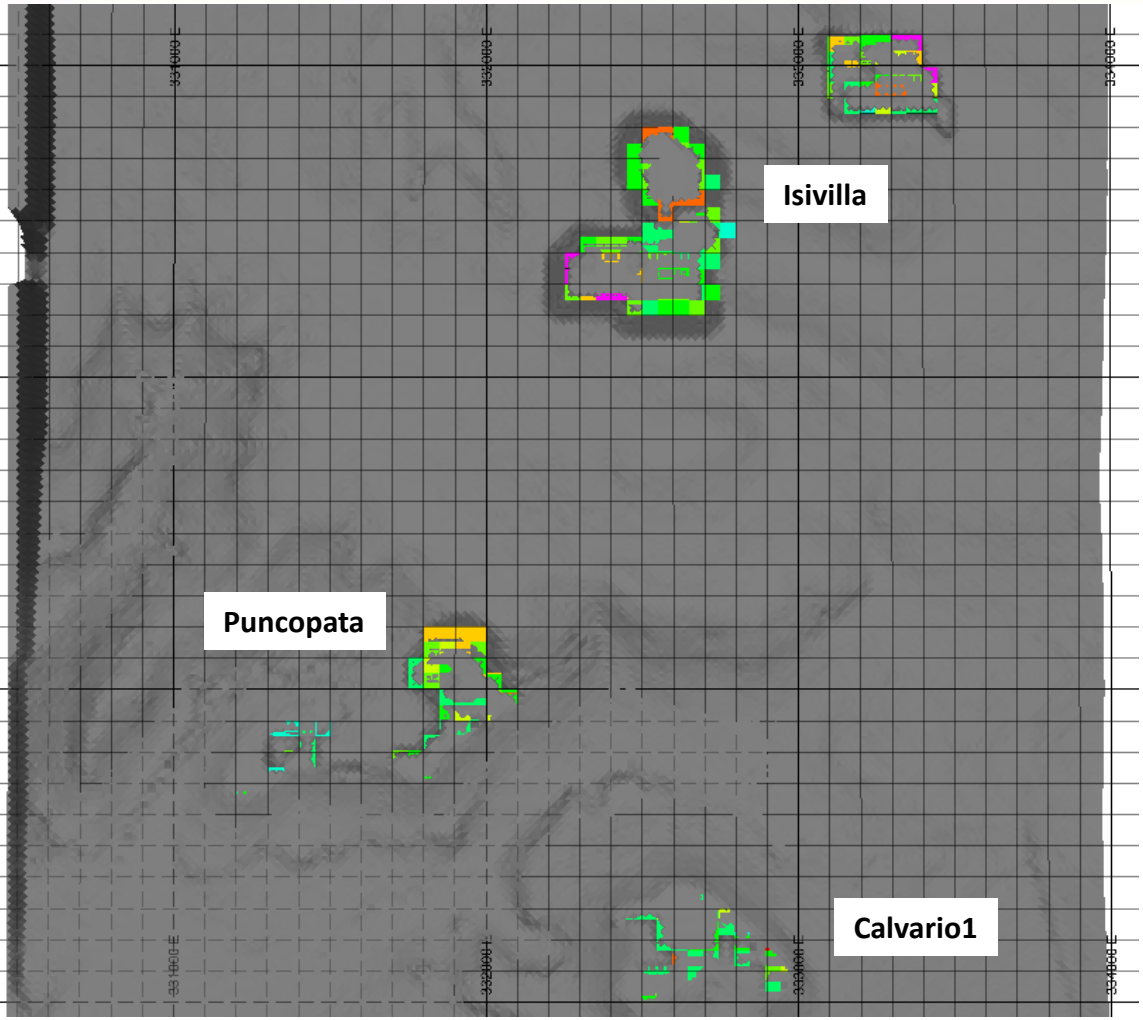
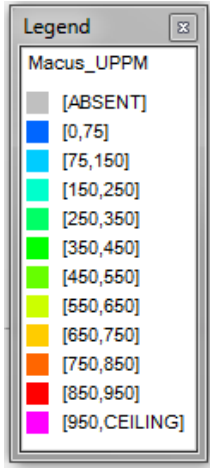
Isivilla – Complex 4 (PLAN VIEW Looking Up)



Most blocks above 200ppm are included within the open pit design.

Some blocks on the edges of the open pit are excluded.



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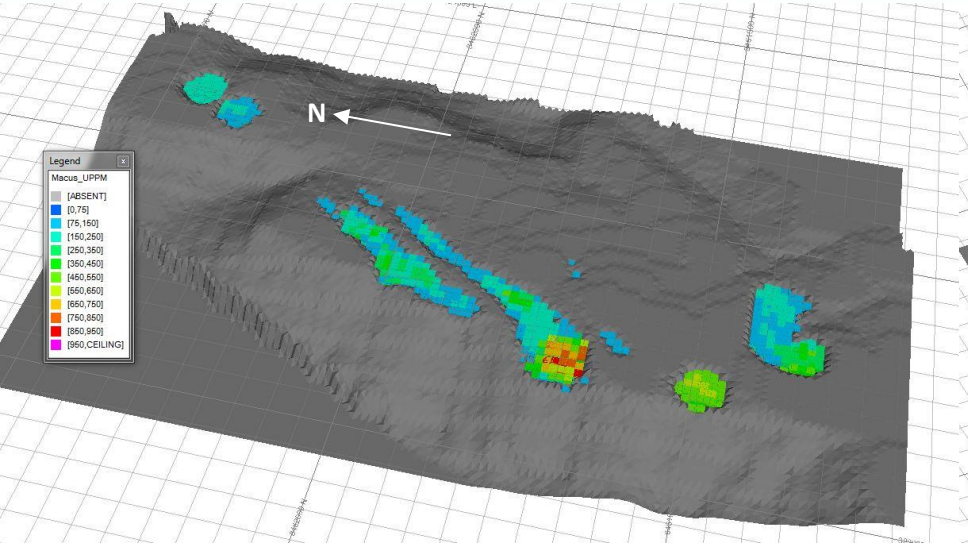
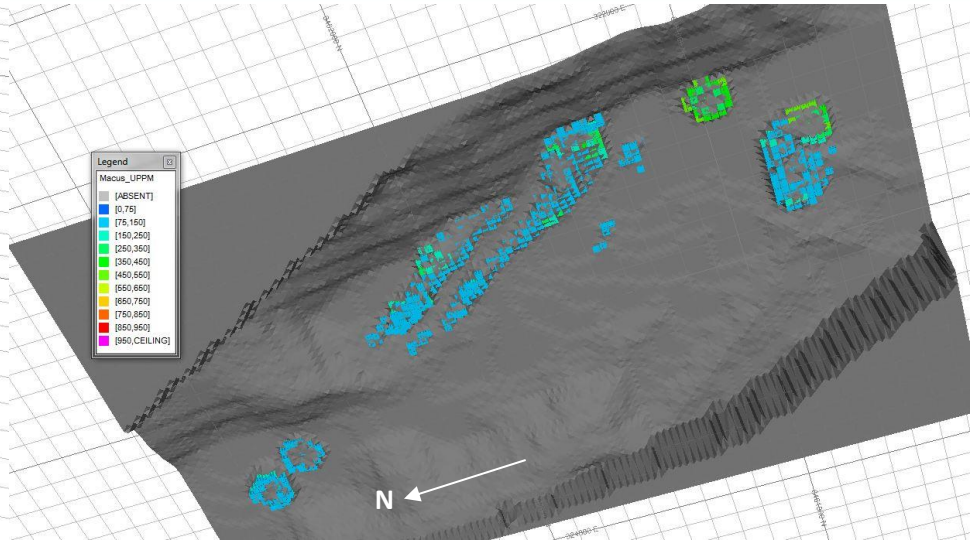
Complex 1 / Corachapi – Pit Shell Optimisation



Isometric View – Top Down

Pit Optimisation shows formation of five main pit areas following the trend of mineralisation.



Isometric View – Looking Underneath

The blocks above the cut-off grade with grey indicate the cells are within the pit shell. Based on the filtered blocks, nearly all blocks are within the optimised shell indicating an excellent conversion.

N.B. Blocks shown in images are shown a 100 U_3O_8 ppm cut-off.

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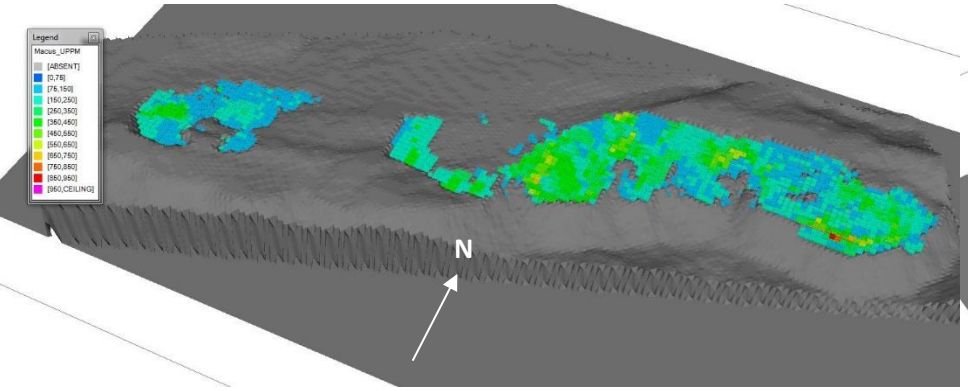
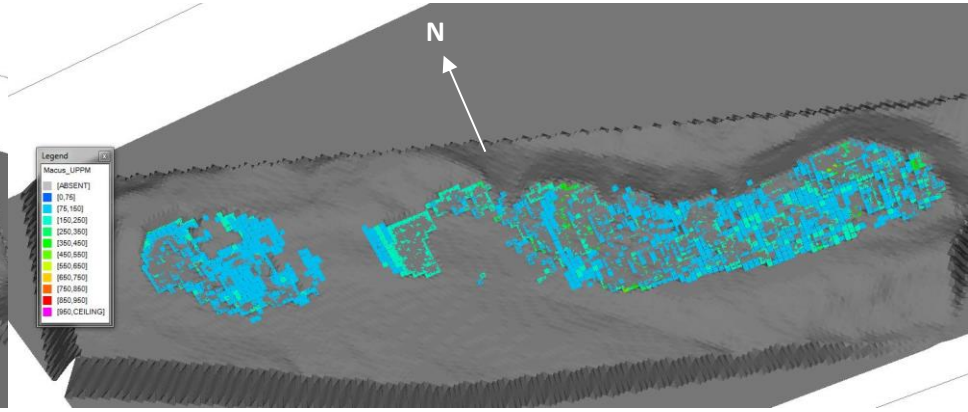
Complex 2 / Colibri – Pit Shell Optimisation





Isometric View – Top Down

Pit Optimisation shows formation of three main pit areas following the trend of mineralisation.

(Tupuramani Area to West / Colibri Area to East).

Isometric View – Looking Underneath

The blocks above the cut-off grade with grey indicate the cells are within the pit shell. Based on the filtered blocks, nearly all blocks are within the optimised shell indicating an excellent conversion.

N.B. Blocks shown in images are shown a 100 U_3O_8 ppm cut-off.

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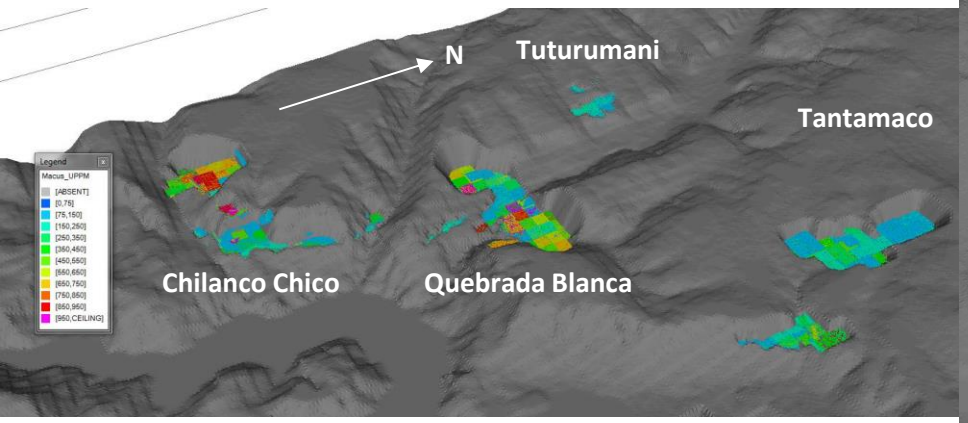
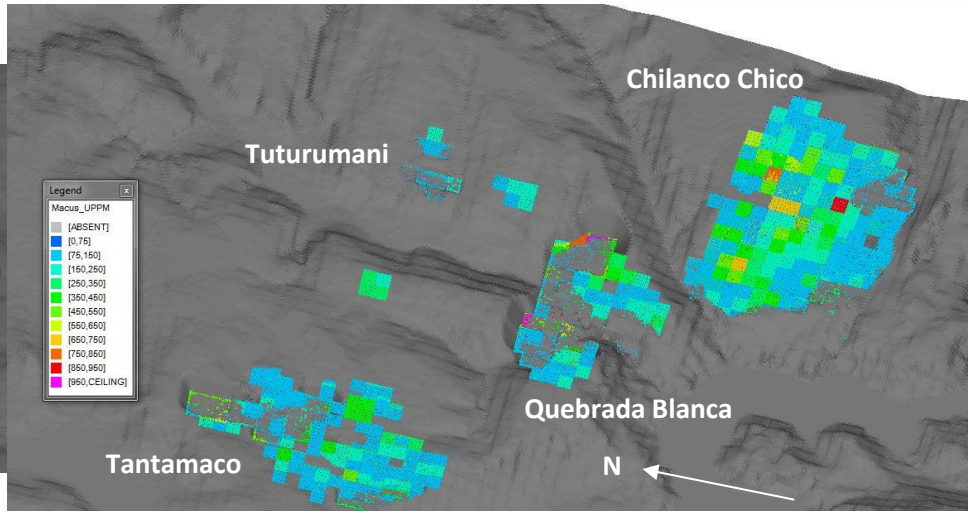
Complex 3 / Kihitian – Pit Shell Optimisation





Isometric View – Top Down

Pit Optimisation shows formation of a number of pit development areas.

Project areas are labelled above. The ore formation in this project area is located some distance below surface, up to 200m below surface, generating large amounts of waste.

This limits optimised pit shell development to sloping areas.

N.B. Blocks shown in images are shown a 100 U_3O_8 ppm cut-off.

Isometric View – Looking Underneath

The blocks above the cut-off grade with grey indicate the cells are within the pit shell. As can be seen large portions associated with Chilcuno Chico are not extracted by Open Pit. Tantamaco also has portions of ore outside the pit, however it is low grade which may limit areas which can be economically extracted by Underground methods.

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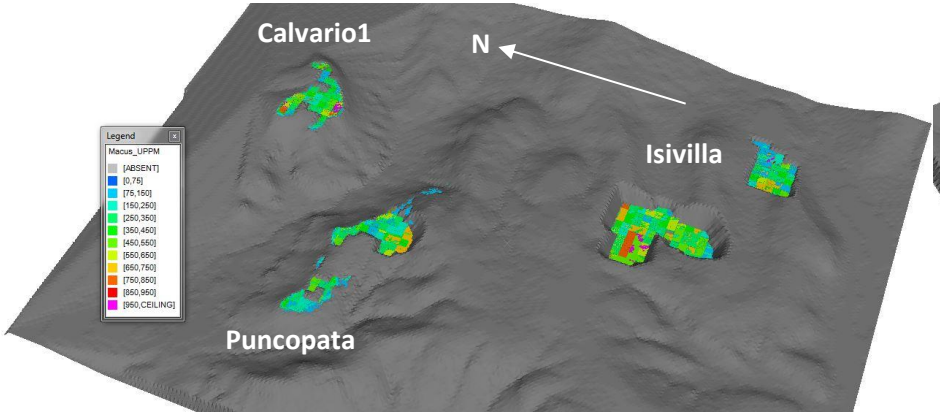
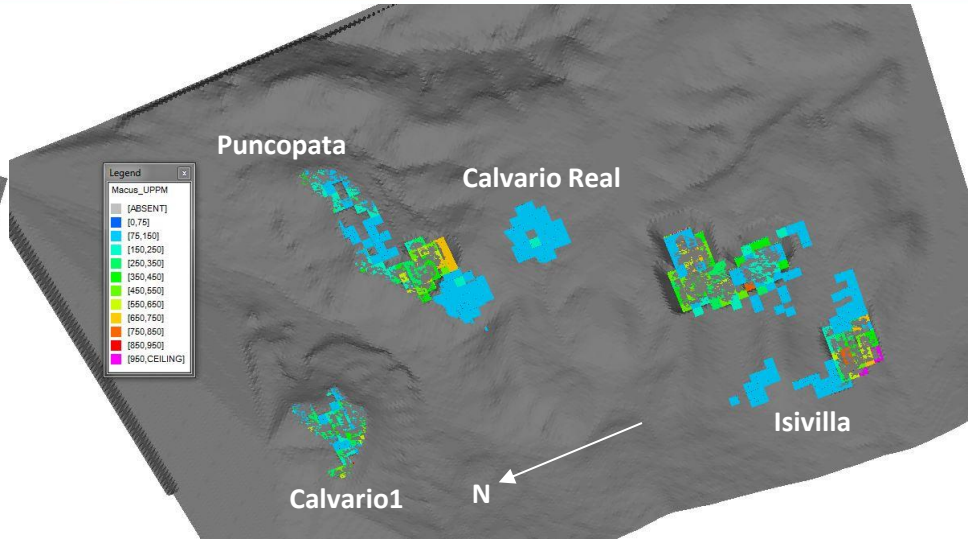
Complex 4 / Isivilla – Pit Shell Optimisation



Isometric View – Top Down

Pit Optimisation shows formation of optimised pit shell around Resource areas, except Calvario Real.



Isometric View – Looking Underneath

The blocks above the cut-off grade with grey indicate the cells are within the pit shell. As can be seen the majority of blocks are recovered within the optimised pit shell. Calvario Real and areas on the fringes of other Resource areas are excluded due to low grade which would exclude the blocks from underground extraction.

N.B. Blocks shown in images are shown a 100 U_3O_8 ppm cut-off.

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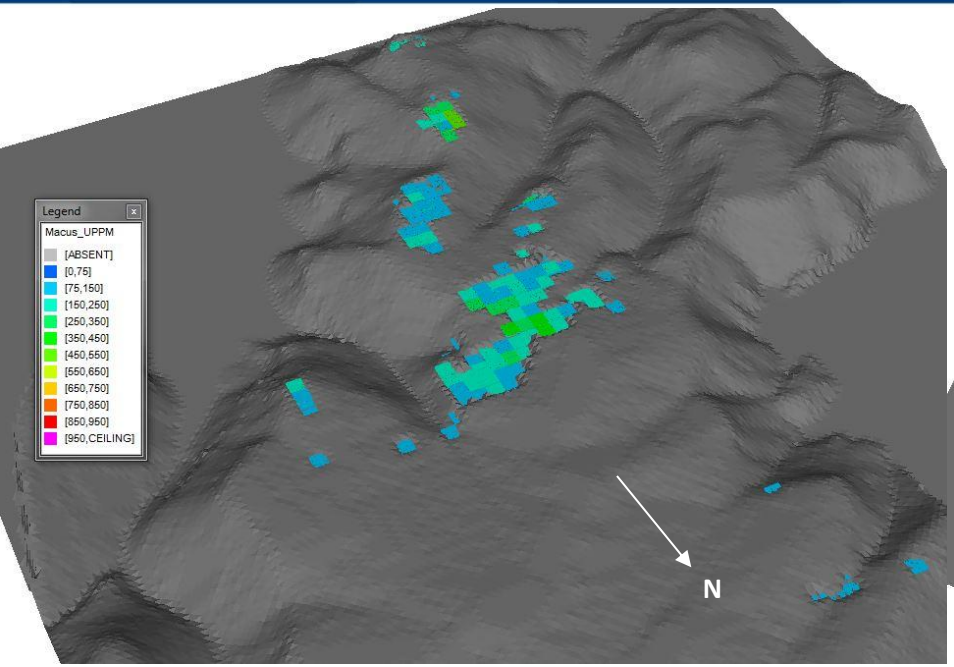
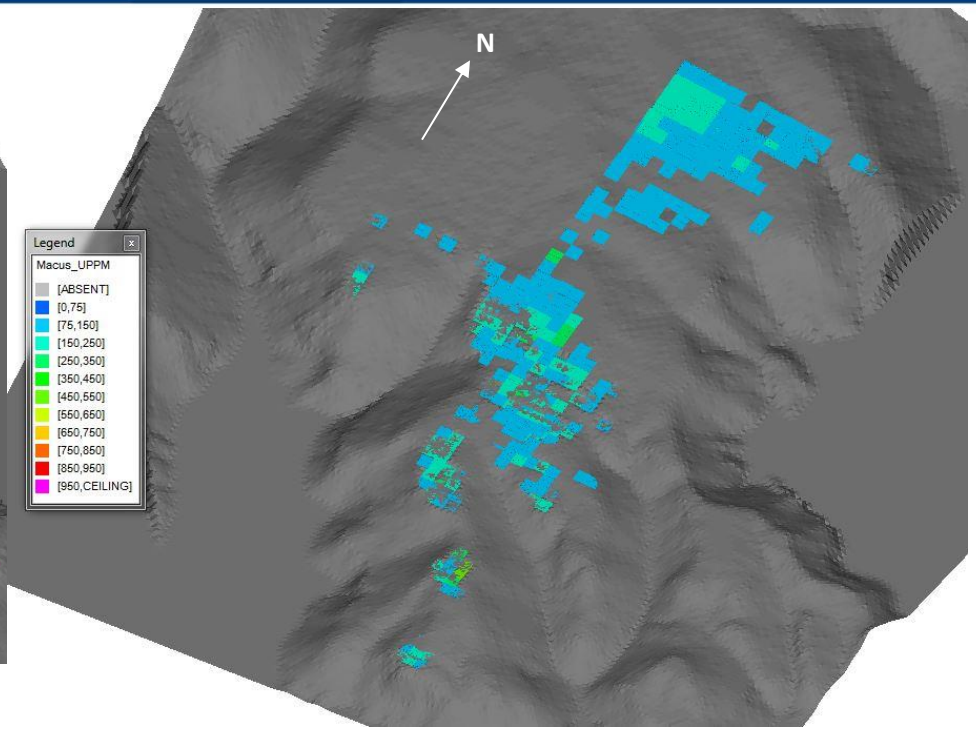
Complex 5 / Corani – Pit Shell Optimisation



Isometric View – Top Down

Pit Optimisation shows formation of many isolated small optimised pits around Resource area.

N.B. Blocks shown in images are shown a 100 U_3O_8 ppm cut-off.



Isometric View – Looking Underneath

The blocks above the cut-off grade with grey indicate the cells are within the pit shell. As can be seen a proportion of blocks are not included within optimised pits, however are low grade making underground extraction borderline.

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